

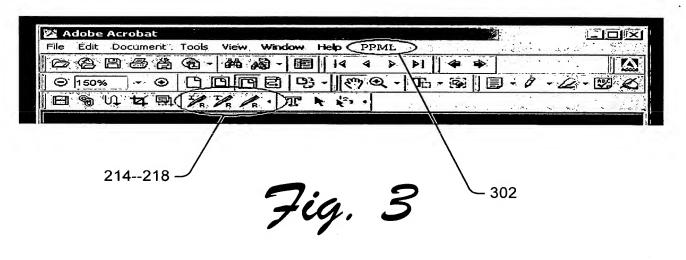
Fig. 1

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200 PDF To PPML TRANSLATOR 202 PDF DOCUMENT 210 GRAPHICS **208** TEXT 204 PPML TEMPLATE 206 USER INTERFACE 212 VARIABLE **OBJECT** 214--218 VARIABLE 220 MACRO FILE **OBJECT CREATION TOOLS** 222 RULES 224 MACRO SELECTION TOOL 226 PPML TEMPLATE 228 PPML TO PDF **GENERATOR CONVERTER**

Inventor: Jose Abad Peiro, Luca Chiarabini, Petar Obradovic Title: PPML to PDF Conversion

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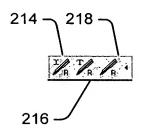
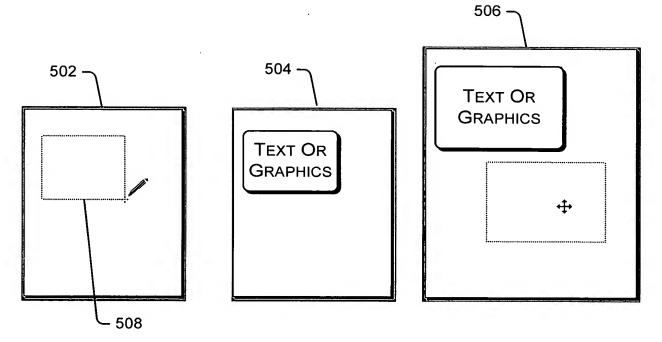


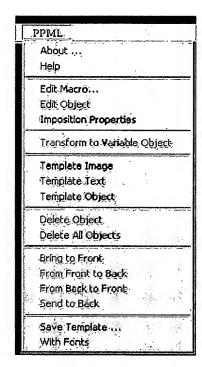
Fig. 4



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Edit Object

Transform to Variable Object

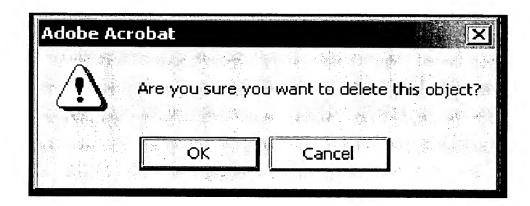
Delete Object

Delete All Objects

Bring to Front
From Front to Back
From Back to Front
Send to Back

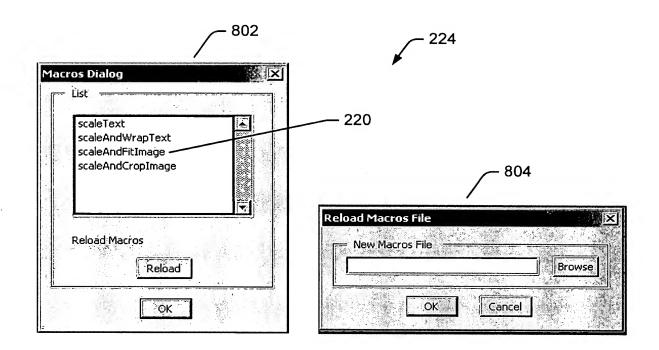
Save Template ...

Fig. 6



S/N:_

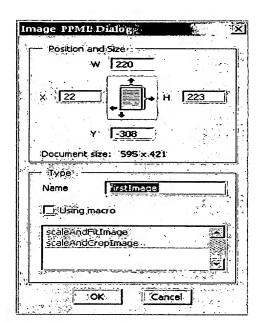
Inventor: Jose Abad Peiro, Luca Chiarabini, Petar Obradovic Title: PPML to PDF Conversion 5 of 16



900

Text PPML Dialogs
Position and Size
₩ [27 * H [14
Y -4 Dőçűment sze: 595 x 421
Attributes
Arial FONT Name used in PRMIL\SVG
Size 12 Min. Q
Scaling 100 🐨 % Rotate 0 🐷 Horz, Alignment Left 🐷 Color
Text Variable Text Number of Characters per Line 4
Name Few name Verti: Alignment Bottom
Using macro
ScaleAndWrapText
OK Gancel

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1000

Fig. 10

1100 —

Imposition Dialog	X
Print Layout	
Number of Copies	
Collate	(nothing)
Template Name	TemplateNam
Imposition.	
Document Size:	595 x 421
Name	ImpoRef
@ Rredefined	A4 🔯
C Custom	
Width 595	Height 842
Columns 1	Rows 1
Rotation	
Miscellaneous	
With Global Scope	•
Environment	Caprabo
ОК	Cancel

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1200 -

1202 OPEN A PDF DOCUMENT

1204

PROVIDE A TOOL OPERABLE BY A USER, WITH WHICH THE USER MAY SELECT AND ALTER CHARACTERISTICS OF A PDF ELEMENT

1206

SELECT A GRAPHICAL IMAGE WITHIN
THE PDF DOCUMENT

1208

SELECT TEXT WITHIN THE PDF
DOCUMENT

1210

CONVERT THE PDF ELEMENT WITHIN
THE PDF DOCUMENT INTO A
VARIABLE OBJECT

1212

GENERATE A MACRO FILE TO CONTAIN RULES GOVERNING USE OF THE VARIABLE OJBECT

1214

CONFIGURE A PPML TEMPLATE TO INCLUDE THE VARIABLE OBJECT, THE MACRO FILE & THE PDF DOCUMENT AS A BACKGROUND

1216

MERGE THE PPML TEMPLATE WITH DATA ACCORDING TO THE RULES AND SEND PPML DOCUMENT FOR PRINTING ON A DIGITAL PRESS

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1300 —

1302
PROVIDE THE USER WITH A FIRST
SET OF PROPERTIES FOR GRAPHICS
AND A SECOND FOR TEXT

1304

ALLOW THE USER TO ADJUST THE PROPERTIES

<u>1306</u>

EXEMPLARY ADJUSTMENT: WITHIN THE VARIABLE OBJECT, REGULATE: TEXT SCALING AND WRAPPING, IMAGE SCALING AND CROPPING

1308

GOVERN OPERATION PPML VARIABLE
OBJECTS ACCORDING TO THE
PROPERTIES

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1402 SAVE THE PPML DOCUMENT

1404

OPTION 1: PRESENT A USER WITH A
CHOICE BETWEEN FILENAME
EXTENSIONS

1406

OPTION 2: SAVE THE PPML
DOCUMENT AS AN OPTIMIZED-TREE
STRUCTURE

<u>1408</u>

USE A PPML TO PDF FLATTENER TO PRODUCE AN OPTIMIZED PDF DOCUMENT

1400

Fig. 14

1600 —

<u>1602</u>

MARK A PDF DOCUMENT TO INDICATE VARIABLE OBJECTS

1604

FORM A PPML DOCUMENT TO INCLUDE THE VARIABLE OBJECTS AND TO INCLUDE THE PDF DOCUMENT AS A BACKGROUND

1606

CONFIGURE MACROS TO GOVERN USE OF THE VARIABLE OBJECTS

1608

PRINT THE PPML DOCUMENT, EXECUTING THE MACRO FILE TO GOVERN USE OF THE VARIABLE OBJECT

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1500 —

1502

MODIFY A PDF DOCUMENT TO INCLUDE MARKING ELEMENTS TO LINK A VARIABLE OBJECT WITH A MACRO FILE

1504

CONFIGURE A MACRO FILE

1506

OPTION 1: CONFIGURE AN EXTERNAL XSLT MACRO FILE TO CONTAIN THE RULES GOVERNING THE USE OF THE VARIABLE OBJECT

1508

OPTION 2: CONFIGURE THE MACRO
FILE AS AN XML FILE CONTAINING
MACROS DESCRIBED BY AN XML
SCHEMA

1510

CONFIGURE A PPML FILE

1512

OPTION 1: CONFIGURE THE TEMPLATE
TO INCLUDE AT LEAST ONE MACRO
FILE USED BY THE TEMPLATE

1514

OPTION 2: DEFINE A VARIABLE
OBJECT WITHIN THE TEMPLATE AS
REUSABLE

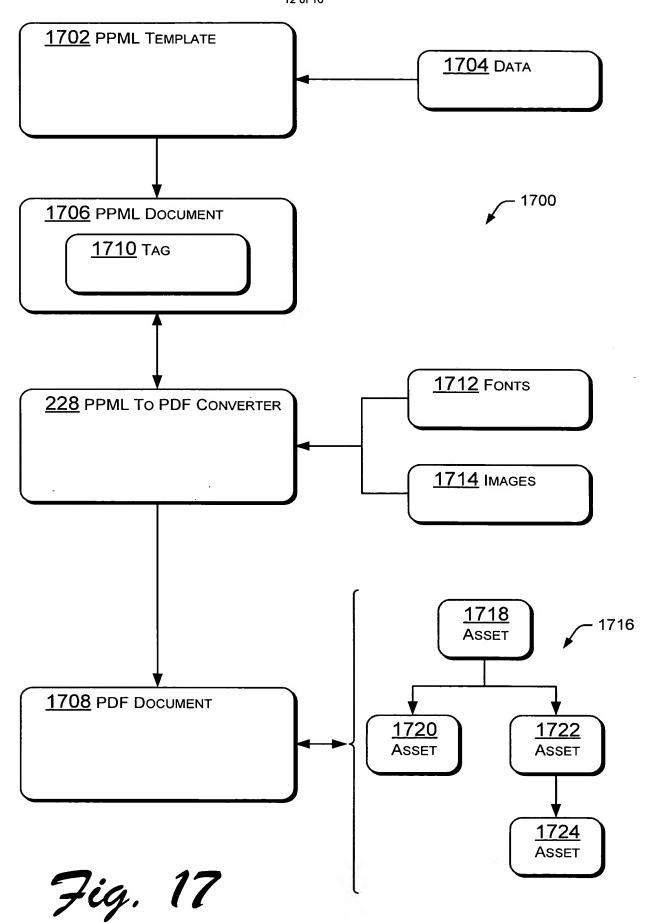
1516

OPTION 3: LIST FONTS REQUIRED WITHIN THE PPML TEMPLATE

1518

OPTION 4: REFERENCE THE PDF
DOCUMENT AS A BACKGROUND PPML
ASSET

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1802

PPML DOCUMENT INTERPRETATION COMPONENT

1812

Un-Marshalling Component

1804

PARSING AND TAGGING COMPONENT

1814

SOURCERESOLVER
INTERFACE COMPONENT

1806

PPML SOURCE_TYPE CLASS RESOLVING COMPONENT

1816

FONTRESOLVER
INTERFACE COMPONENT

<u> 1808</u>

TRANSLATION COMPONENT

1818

OCCURRENCESTORE
INTERFACE COMPONENT

<u> 1810</u>

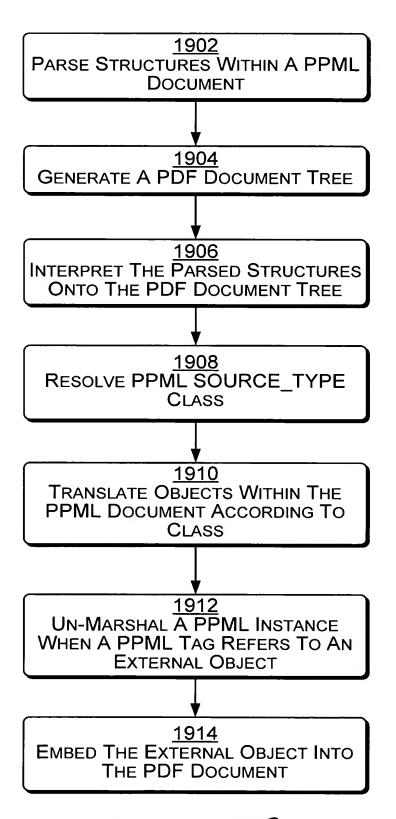
PDF TREE GENERATING COMPONENT

1820

IMPOSITIONSTORE
INTERFACE COMPONENT

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1900 —



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